



Aquaterra

255 Flynn Avenue Burlington, VT 05401 (802) 238-0071 roland@luxenberg.us

8 October 2012

Ms. Sarah Bartlett ANR DEC WMD Sites Management Section 103 South Main Street West Office Waterbury, VT 05671-0404

Re: Monitoring report for Railroad Street Texaco (Site #89-0433) in St. Johnsbury

Dear Ms. Bartlett

Introduction

Railroad Street Texaco (now Shell) is located on the northeast corner of the intersection of Railroad Street and Pleasant Street just north of the St. Johnsbury city center. This site has been investigated since 1990 due to a suspected petroleum release.

The following is a description of site monitoring during August 2010 conducted in response to a request for monitoring (ANR letter dated 28 July 2010).

10 August 2010 Groundwater Sampling

Water sampling at two (2) groundwater monitoring wells was completed on 24 July 2012. Prior to sampling, the depth to water was determined using an electronic water level meter. The wells were purged until dry using dedicated string and plastic bailers. After each well was given time to recover, bailers were used to collect groundwater from each well. Collected water was poured into 40 milliliter vials equipped with zero headspace septa screw caps and containing hydrochloric acid as a preservative. Water temperature and specific conductance were measured using field meters. Samples were stored on ice and delivered to Test America in South Burlington, VT for petroleum related volatile organic compound (VOC) analysis.

A tabular summary of field and analytical data is found on Table 1, including results from previous sampling rounds in February 1990, May 1991, and August 2012. Total VOC concentrations on 24 July 2012 are found on the attached Site Map. Laboratory analytical reports are attached.

Conclusions

Compared to August 2012 data, the most recent monitoring found higher concentrations concentrations for BTEX and other VOCs in MW-1. Wells MW-2 contained one compound

(naphthalene) at a concentration (1.3 ug/l) just above method reporting limits (1.0 ug/l). Two compounds (**Naphthalene** at 98 ug/l, and **sum of TMBs** at 580 ug/l) exceeded the corresponding Primary Groundwater Enforcement Standard (PGES) of 20 and 350 ug/l, respectively, in MW-1.

Recommendations

Because PGES were exceeded at one location (MW-1) for two compounds (naphthalene and sum of TMBs), this site should be sampled in the summer of 2014. Only well MW-1 need be sampled. If the naphthalene and sum of TMBs concentrations (and all other compounds) in this well falls below PGES, this site could be closed, or if the naphthalene and sum of TMBs concentrations are similar to 2010 levels, this site could be closed with a notice a Notice to Land Records.

Please contact me if you have any questions regarding the information, conclusions, or recommendations found in this letter.

Sincerely

Roland Luxenberg, P.E.

cc: Wesco, Inc. (South Burlington, VT)

Roland Lupenberg

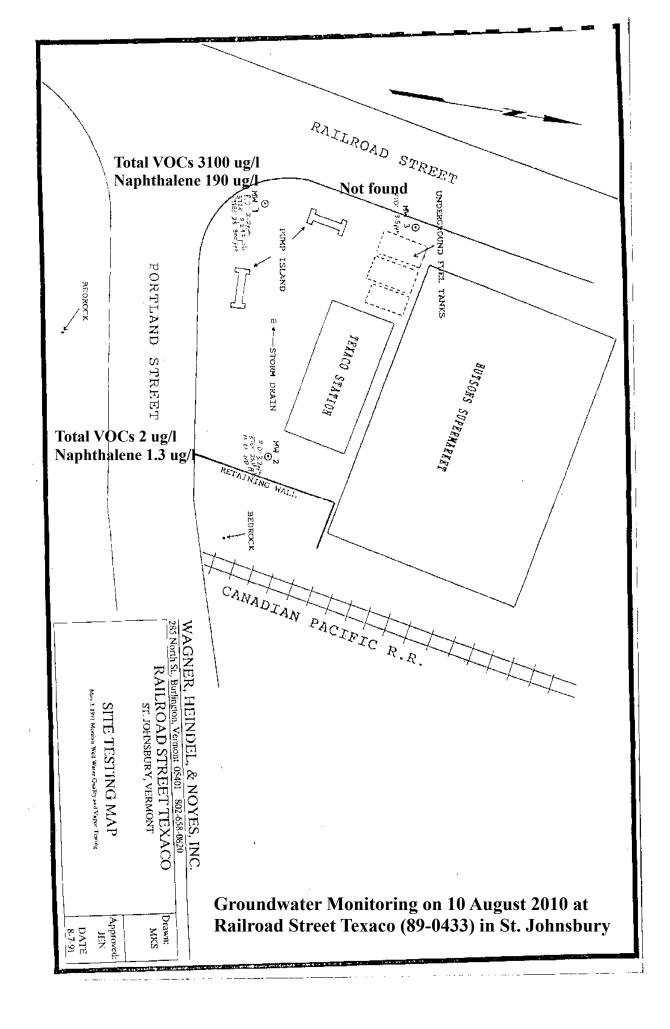
Table 1 Groundwater field and analytical data for Railroad Street Texaco (#89-0433) in St. Johnsbury

		Monitori	ng Well						
		MW-2				MW-1			
Parameter	2-Feb-90	3-May-91	10-Aug-10	24-Jul-12	2-Feb-90	3-May-91	10-Aug-10	24-Jul-12	PGES
Depth to water, feet			14.39	14.38			13.44	13.35	na
Depth to bottom, feet			16.65	16.65			14.5	14.5	na
Standing water, liters			1.4	1.4			0.7	0.7	na
Purge volume, liters			2 dry	2 dry			1 dry	1 dry	na
Temperature, degrees C			16.3	14.7			16.7	15.7	na
Specific conductance, uS			1050	1600			2500	3100	na
VOCs by Method 602/8260,	ug/l								
Benzene (B)	17.2	4.5	<1.0	0.25 J	3200	1120	<4.4	<20	5
Toluene (T)	10.2	1.6	<1.0	<1.0	12200	4200	100	96	1000
Ethylbenzene (E)	44	<1.0	<1.0	<1.0	3100	460	340	400	700
Total Xylenes (X)	187	19	<1.0	<1.0	24000	3500	1200	1800	10000
BTEX	260	25	<1.0	0.25 J	43000	9300	1640	2300	na
Methyl tertiary butyl ether	<1.0	<1.0	<1.0	<1.0	22000	25000	<4.4	<20	40
Naphthalene			<1.0	1.3			98	190	20
1,2,4-Trimethylbenzene			<1.0	0.51 J			250	430	350 (sum)
1,3,5-Trimethylbenzene			<1.0	<1.0			88	150	350 (sum)
total VOC			<1.0	2			2300	3100	350 (sum)

Notes:

PGES = Primary Groundwater Enforcement Standard; 602 analysis in 1990 and 1991

Bolded concentrations exceed PGES





ANALYTICAL REPORT

Job Number: 200-11906-1

Job Description: Barrie (MW-3) & St. J

For:
Aquaterra
255 Flynn Ave.
Burlington, VT 05401

Attention: Mr. Roland Luxenberg

Approved for release Sara S Goff Project Manager I 8/9/2012 3:03 PM

Designee for
Don C Dawicki
Customer Service Manager
don.dawicki@testamericainc.com
08/09/2012

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory



CASE NARRATIVE

Client: Aquaterra

Project: Barrie (MW-3) & St. J

Report Number: 200-11906-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 07/24/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 10.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-3, MW-2 and MW-1 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 08/01/2012 and 08/06/2012.

Samples MW-3[18X] and MW-1[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the volatiles analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: Aquaterra Job Number: 200-11906-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method	
200-11906-1	MW-3						
Methyl t-butyl ether		63		18	ug/L	8260B	
Benzene		550		18	ug/L	8260B	
Toluene		40		18	ug/L	8260B	
Ethylbenzene		80		18	ug/L	8260B	
m&p-Xylene		64		18	ug/L	8260B	
o-Xylene		34		18	ug/L	8260B	
Xylenes, Total		98		18	ug/L	8260B	
1,2,4-Trimethylbenz	rene	260		18	ug/L	8260B	
Naphthalene		39		18	ug/L	8260B	
200-11906-2	MW-2						
Benzene		0.25	J	1.0	ug/L	8260B	
1,2,4-Trimethylbenz	ene	0.51	J	1.0	ug/L	8260B	
Naphthalene		1.3		1.0	ug/L	8260B	
200-11906-3	MW-1						
Toluene		96		20	ug/L	8260B	
Ethylbenzene		400		20	ug/L	8260B	
m&p-Xylene		1500		20	ug/L	8260B	
o-Xylene		380		20	ug/L	8260B	
Xylenes, Total		1800		20	ug/L	8260B	
1,3,5-Trimethylbenz	ene	150		20	ug/L	8260B	
1,2,4-Trimethylbenz		430		20	ug/L	8260B	
Naphthalene		190		20	ug/L	8260B	

METHOD SUMMARY

Client: Aquaterra Job Number: 200-11906-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL BUR	SW846 8260B	
Purge and Trap	TAL BUR		SW846 5030B

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Aquaterra Job Number: 200-11906-1

Method	Analyst	Analyst ID
SW846 8260B	Phillips. Mark T	MTP

SAMPLE SUMMARY

Client: Aquaterra Job Number: 200-11906-1

			Date/Time	Date/Time	
Lab Sample ID	Client Sample ID	Client Matrix	Sampled	Received	
200-11906-1	MW-3	Water	07/24/2012 1000	07/24/2012 1605	
200-11906-2	MW-2	Water	07/24/2012 1325	07/24/2012 1605	
200-11906-3	MW-1	Water	07/24/2012 1335	07/24/2012 1605	

SAMPLE RESULTS

Analytical Data

Client: Aquaterra Job Number: 200-11906-1

Client Sample ID: MW-3

1,2-Dichloroethane-d4

Bromofluorobenzene

1,2-Dichlorobenzene-d4

Toluene-d8

Lab Sample ID: 200-11906-1 Date Sampled: 07/24/2012 1000

Client Matrix: Water Date Received: 07/24/2012 1605

Final Weight/Volume:

80 - 115

80 - 115

85 - 120

80 - 115

5 mL

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: Analysis Batch: 200-43108 Instrument ID: L.i 8260B Prep Method: 5030B Prep Batch: N/A Lab File ID: lhmk06.d Dilution: Initial Weight/Volume: 5 mL 17.6

88

100

100

93

Analysis Date: 08/06/2012 1330
Prep Date: 08/06/2012 1330

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methyl t-butyl ether	63		3.0	18
Benzene	550		3.0	18
Toluene	40		3.0	18
Ethylbenzene	80		3.2	18
m&p-Xylene	64		6.3	18
o-Xylene	34		3.0	18
Kylenes, Total	98		3.0	18
1,3,5-Trimethylbenzene	18	U	3.2	18
1,2,4-Trimethylbenzene	260		3.5	18
Naphthalene	39		2.1	18
Surrogate	%Rec	Qualifier	Acceptance Limits	

Analytical Data

Client: Aquaterra Job Number: 200-11906-1

Client Sample ID: MW-2

Lab Sample ID: 200-11906-2 Date Sampled: 07/24/2012 1325

Client Matrix: Date Received: 07/24/2012 1605 Water

8260B Volatile Organic Compounds (GC/MS)		8260B	Volatile	Organic	Compounds	(GC/MS)
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Analysis Method: 8260B Analysis Batch: Instrument ID: L.i 200-42794 Prep Method: 5030B Prep Batch: N/A Lab File ID: lhmj17.d Dilution: Initial Weight/Volume: 5 mL 1.0 5 mL

08/01/2012 1839 Analysis Date: Final Weight/Volume:

08/01/2012 1839 Prep Date:

Analyte	Result (ug/L)	Qualifier	MDL	RL	
Methyl t-butyl ether	1.0	U	0.17	1.0	
Benzene	0.25	J	0.17	1.0	
Toluene	1.0	U	0.17	1.0	
Ethylbenzene	1.0	U	0.18	1.0	
m&p-Xylene	1.0	U	0.36	1.0	
o-Xylene	1.0	U	0.17	1.0	
Xylenes, Total	1.0	U	0.17	1.0	
1,3,5-Trimethylbenzene	1.0	U	0.18	1.0	
1,2,4-Trimethylbenzene	0.51	J	0.20	1.0	
Naphthalene	1.3		0.12	1.0	

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4	90		80 - 115
Toluene-d8	103		80 - 115
Bromofluorobenzene	104		85 - 120
1,2-Dichlorobenzene-d4	96		80 - 115

Analytical Data

5 mL

80 - 115

Client: Aquaterra Job Number: 200-11906-1

Client Sample ID: MW-1

Lab Sample ID: 200-11906-3 Date Sampled: 07/24/2012 1335

Client Matrix: Water Date Received: 07/24/2012 1605

8260B Volatile Organic Compounds (GC/M	S)
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Analysis Method: 8260B Analysis Batch: 200-42794 Instrument ID: L.i Prep Method: 5030B Prep Batch: N/A Lab File ID: lhmj18.d Dilution: Initial Weight/Volume: 20 5 mL

Analysis Date: 08/01/2012 1911 Final Weight/Volume:

98

Prep Date: 08/01/2012 1911

1,2-Dichlorobenzene-d4

Analyte	Result (ug/L)	Qualifier	MDL	RL	
Methyl t-butyl ether	20	U	3.4	20	
Benzene	20	U	3.4	20	
Toluene	96		3.4	20	
Ethylbenzene	400		3.6	20	
m&p-Xylene	1500		7.2	20	
o-Xylene	380		3.4	20	
Xylenes, Total	1800		3.4	20	
1,3,5-Trimethylbenzene	150		3.6	20	
1,2,4-Trimethylbenzene	430		4.0	20	
Naphthalene	190		2.4	20	
Surrogate	%Rec	Qualifier	Accepta	nce Limits	
1,2-Dichloroethane-d4	92		80 - 115		
Toluene-d8	105		80 - 115		
Bromofluorobenzene	108		85 - 120		

DATA REPORTING QUALIFIERS

Client: Aquaterra Job Number: 200-11906-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: Aquaterra Job Number: 200-11906-1

QC Association Summary

		Report			
Lab Sample ID	Client Sample ID	Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:200-42794					
LCS 200-42794/3	Lab Control Sample	Т	Water	8260B	
MB 200-42794/5	Method Blank	T	Water	8260B	
200-11906-2	MW-2	Т	Water	8260B	
200-11906-3	MW-1	Т	Water	8260B	
Analysis Batch:200-43108					
LCS 200-43108/3	Lab Control Sample	Т	Water	8260B	
MB 200-43108/5	Method Blank	Т	Water	8260B	
200-11906-1	MW-3	Т	Water	8260B	

Report Basis

T = Total

Client: Aquaterra Job Number: 200-11906-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

		DCA	TOL	BFB	DCZ
Lab Sample ID	Client Sample ID	%Rec	%Rec	%Rec	%Rec
200-11906-1	MW-3	88	100	100	93
200-11906-2	MW-2	90	103	104	96
200-11906-3	MW-1	92	105	108	98
MB 200-42794/5		94	102	106	95
MB 200-43108/5		93	105	108	98
LCS 200-42794/3		100	103	103	95
LCS 200-43108/3		90	103	102	95

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4	80-115
TOL = Toluene-d8	80-115
BFB = Bromofluorobenzene	85-120
DCZ = 1,2-Dichlorobenzene-d4	80-115

Client: Aquaterra Job Number: 200-11906-1

Method Blank - Batch: 200-42794

Method: 8260B Preparation: 5030B

 Lab Sample ID:
 MB 200-42794/5

 Client Matrix:
 Water

 Dilution:
 1.0

 Analysis Date:
 08/01/2012 1212

 Prep Date:
 08/01/2012 1212

Analysis Batch: 200-42794
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: L.i

Lab File ID: Ihmj05.d

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Leach Date: N/A

Analyte	Result	Qual	MDL	RL	
Methyl t-butyl ether	1.0	U	0.17	1.0	
Benzene	1.0	U	0.17	1.0	
Toluene	1.0	U	0.17	1.0	
Ethylbenzene	1.0	U	0.18	1.0	
m&p-Xylene	1.0	U	0.36	1.0	
o-Xylene	1.0	U	0.17	1.0	
Xylenes, Total	1.0	U	0.17	1.0	
1,3,5-Trimethylbenzene	1.0	U	0.18	1.0	
1,2,4-Trimethylbenzene	1.0	U	0.20	1.0	
Naphthalene	1.0	U	0.12	1.0	
Surrogate	% Rec		Acceptance Limits		

Surroyale	% Rec	Acceptance Linin
1,2-Dichloroethane-d4	94	80 - 115
Toluene-d8	102	80 - 115
Bromofluorobenzene	106	85 - 120
1,2-Dichlorobenzene-d4	95	80 - 115

Client: Aquaterra Job Number: 200-11906-1

Lab Control Sample - Batch: 200-42794

Method: 8260B Preparation: 5030B

 Lab Sample ID:
 LCS 200-42794/3

 Client Matrix:
 Water

 Dilution:
 1.0

 Analysis Date:
 08/01/2012 1107

 Prep Date:
 08/01/2012 1107

Analysis Batch: 200-42794
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: L.i
Lab File ID: Ihmj03.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Leach Date: N/A

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Methyl t-butyl ether	25.0	24.8	99	85 - 120	
Benzene	25.0	26.3	105	85 - 120	
Toluene	25.0	26.3	105	85 - 120	
Ethylbenzene	25.0	25.8	103	85 - 120	
m&p-Xylene	50.0	52.2	104	85 - 120	
o-Xylene	25.0	25.7	103	85 - 120	
1,3,5-Trimethylbenzene	25.0	25.4	102	85 - 120	
1,2,4-Trimethylbenzene	25.0	25.1	100	85 - 120	
Naphthalene	25.0	25.0	100	85 - 125	
Surrogate	% R	ec	Acc	eptance Limits	
1,2-Dichloroethane-d4	10	0		80 - 115	
Toluene-d8	10	3		80 - 115	
Bromofluorobenzene	10	3		85 - 120	
1,2-Dichlorobenzene-d4	95			80 - 115	

Client: Aquaterra Job Number: 200-11906-1

Method Blank - Batch: 200-43108

Method: 8260B Preparation: 5030B

 Lab Sample ID:
 MB 200-43108/5

 Client Matrix:
 Water

 Dilution:
 1.0

 Analysis Date:
 08/06/2012 1256

 Prep Date:
 08/06/2012 1256

Analysis Batch: 200-43108
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

 $\begin{tabular}{ll} Instrument ID: & $L.i$ \\ Lab File ID: & $lhmk05.d$ \\ Initial Weight/Volume: & 5 & mL \\ Final Weight/Volume: & 5 & mL \\ \end{tabular}$

Leach Date: N/A

Analyte	Result	Qual	MDL	RL
Methyl t-butyl ether	1.0	U	0.17	1.0
Benzene	1.0	U	0.17	1.0
Toluene	1.0	U	0.17	1.0
Ethylbenzene	1.0	U	0.18	1.0
m&p-Xylene	1.0	U	0.36	1.0
o-Xylene	1.0	U	0.17	1.0
Xylenes, Total	1.0	U	0.17	1.0
1,3,5-Trimethylbenzene	1.0	U	0.18	1.0
1,2,4-Trimethylbenzene	1.0	U	0.20	1.0
Naphthalene	1.0	U	0.12	1.0
Surrogate	% Rec		Acceptance Limits	
1,2-Dichloroethane-d4	93		80 - 115	

		· •
1,2-Dichloroethane-d4	93	80 - 115
Toluene-d8	105	80 - 115
Bromofluorobenzene	108	85 - 120
1,2-Dichlorobenzene-d4	98	80 - 115

L.i

lhmk03.d

5 mL

5 mL

Client: Aquaterra Job Number: 200-11906-1

Lab Control Sample - Batch: 200-43108

Method: 8260B Preparation: 5030B

Lab Sample ID: LCS 200-43108/3 Analysis Batch: 200-43108 Instrument ID: Water Client Matrix: Prep Batch: N/A Lab File ID: Dilution: 1.0 Leach Batch: N/A Initial Weight/Volume: 08/06/2012 1151 Analysis Date: Units: Final Weight/Volume: ug/L Pr Le

Prep Date:	08/06/2012 1151					
Leach Date:	N/A					
Analyte		Spike Amount	Result	% Rec.	Limit	Qual
Methyl t-butyl ether	-	25.0	24.4	98	85 - 120	
Benzene		25.0	26.8	107	85 - 120	
Toluene		25.0	26.4	105	85 - 120	
Ethylbenzene		25.0	26.0	104	85 - 120	

Benzene	25.0	26.8	107	85 - 120	
Toluene	25.0	26.4	105	85 - 120	
Ethylbenzene	25.0	26.0	104	85 - 120	
m&p-Xylene	50.0	53.4	107	85 - 120	
o-Xylene	25.0	26.0	104	85 - 120	
1,3,5-Trimethylbenzene	25.0	25.7	103	85 - 120	
1,2,4-Trimethylbenzene	25.0	25.3	101	85 - 120	
Naphthalene	25.0	24.4	98	85 - 125	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4	90	80 - 115
Toluene-d8	103	80 - 115
Bromofluorobenzene	102	85 - 120
1,2-Dichlorobenzene-d4	95	80 - 115

TestAmerica Burlington

30 Community Drive, Suite 11 South Burlington, VT 05403 Phone:(802)660-1990

Chain of Custody Record

THE LEADER IN EMPIRONMENTAL TESTINE

TestAmerica

N - None O - Ashado2 P - Na2048 Q - Na2S03 R - Na2S2S03 S - H2SQ4 T - TSP Dodecahydrate U - Acetone アンス Special Instructions/Note: V - MCAA W - ph 4-5 Z - other (specify) Months Company Company Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitre Acid F - NaSO4 F - MeOH G - Amchlor H - Ascorbic Acid 1605 J - DI Water K - EDTA L - EDA COC No: Archive For Page: # qor Total Number of containers 77 DataTime: Date/Time: Date/Time: arrier Tracking No(s): Return To Client Disposal By Lab
Special Instructions/QC Requirements: Analysis Requested Cooler Temperature(s) °C and Other Remarks: Return To Client Received by: Received by: Brokensemmen Pertorn MSMSD (Yes of No) Field Filtered Sample (Yes or No) Lab PM; E-Mall: (W-water, S-solid, O-wasteroli, BT-Tissue, Preservation Code: 3 A-Air) Company Company Company る人があると Type (C=comp, G=grab) Radiological Sample J 5091 8 8 1325 285/ Sample Unknown Sample fAT Requested (days): Due Date Requested: (Λ) Sample Date /24/ いん た2 7102 Date/Time: Project #: SSOW#: * 0 M Poison B 10 Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No.: (から) Possible Hazard Identification Company. A Q A MOREA Sample Identification - Client ID えること しいとく ころこ Custody Seals Intact: △ Yes △ No Client Information rolect Name: Relinquished by: Relinquished by: selinguished by: State, Zip: Address Phone: ⊑mail; ð

Login Sample Receipt Checklist

Client: Aquaterra Job Number: 200-11906-1

Login Number: 11906 List Source: TestAmerica Burlington

List Number: 1

Creator: Poucher, Stephanie A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	NO SEALS
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	10.8°C IR GUN ID 154
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.